| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |  |  |

Rejected

**Allowed** 

| Application No. | Applicant(s)        |
|-----------------|---------------------|
| 10/748,004      | DELANEY, TIMOTHY P. |
| Examiner        | Art Unit            |

3736

Samuel G. Gilbert

(Through numeral) Cancelled

Restricted

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I Interference O Objected

|          |          |              |   |                                     |              |  |          |          |              |          |     |          |          |                 |          |          | i               |          |          |          |      |  |            |               |           |          |          |  |  |  |
|----------|----------|--------------|---|-------------------------------------|--------------|--|----------|----------|--------------|----------|-----|----------|----------|-----------------|----------|----------|-----------------|----------|----------|----------|------|--|------------|---------------|-----------|----------|----------|--|--|--|
| Cla      | aim      | Date         |   |                                     |              |  |          |          | li           | Cla      | aim | Date     |          |                 |          |          |                 | 1        | Cli      | aim      | Date |  |            |               |           |          |          |  |  |  |
| Final    | ıal      | 5/5/05       |   |                                     |              |  |          |          |              |          |     | Final    | Original |                 |          |          |                 |          |          |          |      | Final  | Original   |               |           |          |          |  |  |  |
| -        | 1        | 7            | - | -                                   |              | -  | Н        | $\dashv$ | $\dashv$     | -        |     | -        | 51       | +               | ╁        | Н        | -               | +        | +        |          | 1    | <u> </u>   | 101        | ╁             | +         | +        | $\vdash$ | Н  | -  | -  |
| <b> </b> | 2        |              |   | $\dashv$                            |              | -  | Н        | $\dashv$ | $\dashv$     | -        |     |          | 52       | -+              | ╁╌       | ╁┤       |                 | $\dashv$ | $\dashv$ | +        | ł    | <del>                                     </del> | 102        | +             | +         | ╁        | ╁        | $\vdash$   | H  |  |
| -        | 3        |              | _ |                                     |              |  |          | $\dashv$ | $\dashv$     | _        |     |          | 53       |                 | +        | Н        | $\dashv$        | $\dashv$ | _        | $\dashv$ | 1    | $\vdash$   | 103        |               | +-        | +        | +        | $\vdash$   | $\vdash$   |  |
|          | 4        | 7            |   | $\neg$                              |              | -  | $\vdash$ | $\dashv$ | ᅥ            | _        |     |          | 54       |                 | +        | $\vdash$ | $\dashv$        | $\dashv$ | 7        | _        | 1.   |  | 104        |               | ╁╴        | +        | +        | <u> </u>   | _  |  |
|          | 5        | Н            |   | $\dashv$                            |              |  |          |          | $\dashv$     | _        |     |          | 55       |                 | +        | $\vdash$ | $\dashv$        | $\dashv$ | +        | $\dashv$ | 1    |  | 105        | _             | +         | $\vdash$ | +        | Н  | М  | H  |
|          | 6        | Н            |   |                                     |              |  | Н        |          |              | -        |     |          | 56       | $\dashv$        | 十        | Н        | 一               | $\neg$   | $\dashv$ | $\dashv$ | ١.   |  | 106        | $\top$        | $\dagger$ | T        | $\top$   |  | Т  |  |
|          | 7        |              | - |                                     |              |  |          |          | $\neg$       |          |     |          | 57       |                 | ╁╴       | М        | $\dashv$        | +        | 寸        | $\dashv$ | 1    |  | 107        | $\top$        | 十         | t        | $\top$   | Н  |  |  |
|          | 8        | П            |   |                                     |              |  |          |          |              |          | : . |          | 58       |                 | ╁        | $\Box$   | ヿ               | T        | 一        |          | 1    |  | 108        |               | T         |          |          |  |  |  |
|          | 9        | П            |   |                                     |              |  |          |          |              |          |     |          | 59       |                 | T        | П        |                 |          | 寸        |          |      |  | 109        | $\neg \vdash$ | Τ         | Τ        | $\top$   | П  |  |  |
|          | 10       |              |   |                                     |              |  |          |          |              |          |     |          | 60       |                 |          |          | П               | $\neg$   | $\neg$   |          |      |  | 110        |               | Т         |          |          |  |  |  |
|          | 11       |              |   |                                     |              |  |          |          |              |          |     |          | 61       |                 |          |          |                 |          |          |          |      |  | 111        |               |           |          |          |  |  |  |
|          | 12       |              |   |                                     |              |  |          |          |              |          | -   |          | 62       |                 |          |          |                 |          |          |          |      |  | 112        |               |           |          |          |  |  |  |
|          | 13       |              |   |                                     |              | Ĺ  |          |          |              |          |     |          | 63       |                 |          |          |                 |          | $\Box$   |          | ]    |  | 113        |               | L         |          | <u> </u> |  | oxdot  | _  |
|          | 14       |              |   |                                     |              | 匚  |          |          |              |          |     |          | 64       |                 | L        | Ш        | $\Box$          | $\Box$   | $ \bot $ |          | 1    |  | 114        | $\perp$       | $\bot$    | $\perp$  | 1        | oxdot  | Ш  | _  |
|          | 15       | Ш            |   | $\Box$                              |              | <u> </u>   | Ш        |          | Ш            |          |     | <u> </u> | 65       |                 | 1_       | Щ        |                 |          | _        |          | 1    |  | 115        |               | 1         | 1        | ↓        | $oldsymbol{oldsymbol{oldsymbol{eta}}}$           | <u> </u>   | <u> </u>   |
|          | 16       | Ш            | _ |                                     |              | _  | Ш        |          |              |          |     |          | 66       |                 | <b>.</b> | Ш        |                 | _        | _        | -        | 4    |  | 116        |               | ╀         | ╄        | ļ        | _  | ╙  | <u> </u>   |
|          | 17       | Ш            |   |                                     |              | _  |          |          |              | _        | ٠.  |          | 67       |                 | ╄        | Н        |                 |          | 4        | _        | -    |  | 117        | -             | +         | +-       | +        | L  | <u> </u>   | <u> </u>   |
|          | 18       |              |   |                                     |              | _  | <u> </u> |          |              |          |     | <u> </u> | 68       | -               | ┼        | H        |                 |          | $\dashv$ | _        | ┨.   |  | 118        | +             | +         | +        | +        | _  | <u> </u>   | ├  |
| -        | 19       | <b>-</b>     |   | _                                   |              | ⊢  | Н        |          |              |          |     | ļ        | 69       |                 | +        | H        |                 | -        | -        |          | -    |  | 119<br>120 | +             | +         | ╀        | +        | ├—   | <u> </u>   | ├  |
| -        | 20<br>21 |              | _ |                                     |              | ├  | $\vdash$ |          | _            |          | ٠   | <u> </u> | 70<br>71 |                 | +        | $\vdash$ |                 | $\dashv$ | $\dashv$ | +        | -    |  | 121        |               | ╁         | +        | ╁        | ⊢  | <del>                                     </del> | ├─   |
| -        | 22       | $\vdash$     |   |                                     |              |  | -        | _        |              |          | "   | <u> </u> | 72       |                 | ╁        | $\vdash$ | $\dashv$        |          |          | +        | 1    |  | 122        |               | ╁         | +        | +        | ╁  | ┢─   | ├─   |
| -        | 23       | $\vdash$     |   | -                                   | -            |  | $\vdash$ |          |              |          | ١.  | -        | 73       |                 | ╁        | +        |                 | $\dashv$ | $\dashv$ | +        | 1    |  | 123        | +             | +         | +        | +        | $\vdash$   | 一  | ┢  |
|          | 24       | -            | _ | Н                                   | -            |  | Н        |          | -            |          | ·   | <u> </u> | 74       |                 | +        | $\vdash$ |                 | $\dashv$ | 十        |          | 1    | $\vdash$   | 124        | $\dashv$      | T         | ╁        | +        | $\vdash$   | $\vdash$   | <del>                                     </del> |
| $\vdash$ | 25       | $\vdash$     |   | Н                                   |              | $\vdash$   | Н        |          |              | _        |     | <u> </u> | 75       |                 | +        | $\vdash$ | $\vdash$        | 一        | 寸        | $\top$   | 1    |  | 125        | _             | ╁         | $\top$   | T        | $\vdash$   | ┢  | ┢  |
| $\vdash$ | 26       | -            |   |                                     |              | H  |          |          |              |          |     |          | 76       |                 | T        |          |                 | 寸        | 寸        |          | 1    |  | 126        | ┪             | 1         | T        | T        | T  | $\vdash$   | T  |
|          | 27       |              |   |                                     |              | Г  |          | _        |              |          |     |          | 77       |                 | T        | П        |                 |          | $\neg$   | $\neg$   | 1    |  | 127        | T             | 1         |          | 1        | Т  |  | Г  |
|          | 28       |              |   |                                     |              | Г  | Г        |          |              |          |     |          | 78       |                 |          |          |                 |          |          |          | 1    |  | 128        |               |           |          |          |  |  |  |
|          | 29       |              |   |                                     |              |  |          |          |              |          |     |          | 79       |                 |          |          |                 |          |          |          | ]    |  | 129        |               |           |          |          | L  |  |  |
|          | 30       |              |   | ,                                   |              |  |          |          |              |          | ]   |          | 80       |                 |          |          |                 |          |          |          | ]    |  | 130        |               |           |          |          |  | L  |  |
|          | 31       | L            |   |                                     |              |  |          |          |              |          | ·   |          | 81       |                 | 丄        |          | $\Box$          | $\perp$  |          |          | 1    |  | 131        |               |           | 1_       | _        | L  | <u> </u>   | _  |
|          | 32       |              |   |                                     |              |  |          |          |              |          |     |          | 82       |                 | $\perp$  |          |                 | _        | _        | _        | ļ ·  |  | 132        |               | $\bot$    | $\perp$  | $\perp$  | L  | <u> </u>   | <u> </u>   |
|          | 33       | $\vdash$     |   | L                                   |              | <u> </u>   | Щ        |          | $oxed{oxed}$ | _        |     |          | 83       | oxdot           | ╀-       | $\vdash$ | Ш               | _        | _        | $\perp$  | ļ.   | ļ  | 133        | _             | $\bot$    | $\perp$  | $\perp$  | ـــ  | ₩  | _  |
|          | 34       | ــ           | _ |                                     | _            | Ļ_   |          |          | L.           |          |     |          | 84       | $\vdash$        | +-       | $\vdash$ | $\vdash \vdash$ |          | 4        | -        | 1    | <u> </u>   | 134        | -             | +         | +        | +        | $\vdash$   | -  | ├  |
| <u> </u> | 35       |              | - |                                     |              | -  | $\vdash$ |          | _            |          |     |          | 85       | $\vdash \vdash$ | $\bot$   | $\vdash$ | $\vdash$        | -        | -        | -        | -    | $\vdash$   | 135        | +             | ╀         | +-       | +        | $\vdash$   |  | ├-   |
| -        | 36       | ├            |   | $\vdash$                            | <u> </u>     | $\vdash$   | -        |          |              | H        |     | <u> </u> | 86       | $\vdash$        | +        | $\vdash$ | $\vdash$        | -        | $\dashv$ | -        | 1    | <u> </u>   | 136<br>137 | ╬             | +         | +        | +        | +  | -  | $\vdash$   |
| -        | 37       | ┝╌           |   | $\vdash$                            | <u> </u>     | ├-   | $\vdash$ |          | H            |          | 1   |          | 87<br>88 | $\vdash\vdash$  | ╁        | +-       | $\vdash$        | -        |          |          | -    |  | 138        | +-            | +         | +        | +-       | +  | $\vdash$   | $\vdash$   |
| -        | 38       | $\vdash$     |   |                                     | $\vdash$     | $\vdash$   | -        |          | -            |          |     |          | 89       |                 | +-       | $\vdash$ | Н               | -        | -        | $\dashv$ | -    |  | 139        | +             | +         | +        | +        | +  | $\vdash$   | $\vdash$   |
|          | 40       | $\vdash$     | _ | -                                   | <del> </del> | ╁  | $\vdash$ | -        | _            | -        |     |          | 90       | $\vdash$        | +        |          | Н               |          | $\dashv$ | $\dashv$ | 1    |  | 140        | +             | +         | +        | +        | $\vdash$   | $\vdash$   | +  |
| -        | 41       | 1-           | - | $\vdash$                            | Н            | $\vdash$   | Н        | Н        | $\vdash$     |          | 1   | <b>—</b> | 91       | $\vdash \vdash$ | +        | ╁╌       | Н               | +        | -        |          | 1.   |  | 141        | 十             | +-        | $\top$   | T        | <del>                                     </del> | $\vdash$   | $\vdash$   |
| -        | 42       | T            |   |                                     | $\vdash$     | <del>                                     </del> | Н        | -        | Н            | -        | 1   |          | 92       | $\vdash$        | $\top$   | $f^{-}$  | П               | 1        |          | $\dashv$ | 1    |  | 142        | +             | $\top$    | T        | 1-       | T  | $\Box$   | $\vdash$   |
|          | 43       | T            |   |                                     | $\vdash$     | T  | T        |          | -            |          |     |          | 93       |                 | $\top$   | T        | П               | 寸        | $\dashv$ |          | 1    |  | 143        | $\top$        |           |          |          | Т  |  | Г  |
|          | 44       | T            |   |                                     | Γ            | 1  | Γ        |          |              |          | ]   |          | 94       |                 | T        |          |                 |          |          |          | ]    |  | 144        |               |           | Ι        | 1        |  |  |  |
|          | 45       |              |   |                                     |              |  |          |          | Ĺ            |          | ]   |          | 95       |                 | Ι        |          |                 |          |          |          |      |  | 145        |               |           | I        |          |  |  |  |
|          | 46       |              |   |                                     |              |  |          |          |              |          |     |          | 96       |                 |          |          |                 |          | $\Box$   | $\Box$   | ]    |  | 146        |               |           | $\prod$  |          |  | 匚  |  |
|          | 47       |              |   |                                     | Ĺ            |  |          |          |              | Ĺ        | 1   |          | 97       |                 |          |          |                 |          |          |          | 1    |  | 147        | $\perp$       |           | $\perp$  | 1_       | 丄  | $oldsymbol{oldsymbol{\perp}}$                    | Ļ  |
|          | 48       | $oxed{\Box}$ |   |                                     |              |  |          | L        |              | L        |     |          | 98       |                 | 1        | $\perp$  | Ш               | ļ        |          | _        | ۱٠   | <u></u>  | 148        | 1             | $\perp$   | 1        | 1_       | ╄  | ــــــــــــــــــــــــــــــــــــــ           | $oxed{oxed}$                                     |
|          | 49       | $oxed{oxed}$ |   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L            | <u> </u>   | L        | L        | L            | <u>L</u> | 1   |          | 99       | oxdot           | 1        | _        |                 |          |          |          | 4    | <u></u>  | 149        | _             | _         | ┺        | $\bot$   | ╄-   | $\vdash$   | $\vdash$   |
|          | 50       | 1            | l | l                                   | l            | 1  |          | 1        | i            | l        | ĺ   | 1        | 100      | 1               | 1        | 1        | ı               |          |          | .        | 1    | 1  | 150        |               | - 1       | 1        | 1        | 1  | 1  | 1  |